SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-MDFIC antibody

Catalog Number: SL6386R

FOR RESEARCH USE ONLY

[DATASHEET]

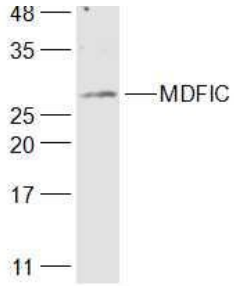
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	MDFIC
Immunogen:	KLH conjugated synthetic peptide derived from human MDFIC: 121-220/246
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Dog,Pig,Cow,Horse,Sheep)
Predicted MW.:	26kDa
Subcellular Location:	The nucleus cytoplasmic
Background:	This gene product is a member of a family of proteins characterized by a specific cysteine-rich C-terminal domain, which is involved in transcriptional regulation of viral genome expression. Alternative translation initiation from an upstream non-AUG (GUG), and an in-frame, downstream AUG codon, results in the production of two isoforms, p40 and p32, respectively, which have different subcellular localization; p32 is mainly found in the cytoplasm, whereas p40 is targeted to the nucleolus. Both isoforms have transcriptional regulatory activity that is attributable to the cysteine-rich C-terminal domain. Alternative splicing results in multiple transcript variants. **Function:** Acts as a transcriptional activator or repressor. Inhibits the transcriptional activation of Zic family proteins ZIC1, ZIC2 and ZIC3. Retains nuclear Zic proteins ZIC1, ZIC2 and ZIC3 in the cytoplasm. Modulates the expression from both cellular and viral promoters. Down-regulates Tat-dependent transcription of the human immunodeficiency virus type 1 (HIV-1) LTR by interacting with HIV-1 Tat and Rev and impairing their nuclear

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

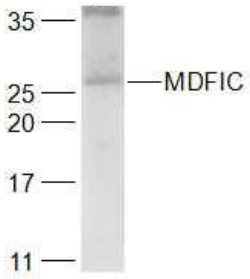
SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

	import, probably by rendering the NLS domains inaccessible to importin-beta. Also stimulates activation of human T-cell leukemia virus type I (HTLV-I) LTR. Binds to the axin complex, resulting in an increase in the level of free beta-catenin. Affects axin regulation of the WNT and JNK signaling pathways. **Subunit:** Interacts with HAND1; leading to sequester HAND1 into the nucleolus and prevent its activity. Interacts with ZIC2 (By similarity). The C-terminus interacts with HIV-1 Tat and Rev, AXIN1, the histidine-rich region of CCNT1/cyclin-T and weakly with LEF1. **Subcellular Location:** Isoform 1: Nucleus, nucleolus. Note=Also shows a granular distribution in the cytoplasm. Isoform 2: Cytoplasm. Note=Weak expression in the nucleus. **Tissue Specificity:** Expressed in lymphoid organs (spleen, thymus, peripheral blood leukocytes) as well as prostate, uterus and small intestine. **Similarity:** Belongs to the MDFI family. **Database links:** **Entrez Gene:** 29969 Human **SwissProt:** Q9P1T7 Human **Unigene:** 427236 Human

[VALIDATION IMAGES]



Sample:
Liver (Rat) Lysate at 40 ug
Primary: Anti-MDFIC (SL6386R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 26 kD
Observed band size: 26/27 kD



Sample:
Liver (Mouse) Lysate at 40 ug
Primary: Anti-MDFIC (SL6386R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 26 kD
Observed band size: 26 kD

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.